

The proposed Desert Rock Energy Facility would emit a number of air pollutants that are regulated under the Prevention of Significant Deterioration Program’s “Best Available Control Technology” requirements. The following two tables summarize the “Best Available Control Technology” requirements in the proposed permit:

Pollutant	Air Pollution Control Equipment Description	Air Pollution Control Equipment Expected percent reduction
Nitrogen Oxides	Selective Catalytic Reduction	85 to 90%
Sulfur Dioxide	Low sulfur western coal, hydrated lime injection before the fabric filters in the baghouse, and sulfur removal in a scrubber with wet limestone	97%
Fine Particulates (such as ash and soot), including Lead	Fabric Filters in the Baghouse	99% or better
Sulfuric acid and Hydrofluoric acid	Hydrated lime injection before the fabric filter, and sulfur removal in scrubber with wet limestone (and low sulfur western coal for sulfuric acid)	98%

Pollution Prevention	
Nitrogen Oxides	Low Nitrogen Oxides Burners
Carbon Monoxide	Good combustion practices
Volatile Organic Compounds	Good combustion practices

Please see the “Ambient Air Quality Impact Report” for more information on air pollution control technology required in the permit. This report and the draft permit are available at <http://www.epa.gov/region09/air/permit/r9-permits-issued.html>